Claims

1. A display device including a display screen, and horizontal and vertical display signals, the horizontal and vertical display signals to render an image on the display screen, comprising:

a first and second accelerometers mechanically coupled to the display screen;

a first and second compensation circuits to convert acceleration in horizontal and vertical directions respectively to x- and y-compensation signals;

first and second adders combining the x- and y-compensation signals with the horizontal and vertical display signals to dynamically adjust a location of the image on the display screen while the display device is subject to movement.

2. The display device of claim 1 wherein the display screen is a cathode ray tube and the compensation circuits operate in an analog mode.

3. The display device of claim 2 wherein the display signals are deflection signals for the cathode ray tube.

4. The display device of claim 1 wherein the display screen is a digital screen.

5. The display device of claim 4 wherein the display signals are address signals for a frame buffer of the digital screen.

6. The display device of claim 1 wherein each compensation circuit further comprises:

a first and second integrator to convert acceleration to position; and

at least one band-pass filter.

7. The display device of claim 6 wherein a low frequency cut-off of the band pass filter is less than one half cycle per second, and a high frequency cut-off is less than a refresh rate of the display screen.

8. The display device of claim 1 wherein each compensation circuit includes a gain control circuit.

9. The display device of claim 1 further comprising a predictive controller to anticipate the movement.